



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AMENDMENT TRANSMITTAL LETTER

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on June 15, 2001.

Christine Sharnood
Signature

Applicant : John G. Wasserbauer, et al.
Application No. : 09/587,074
Filed : June 2, 2000
Title : SINGLE MODE VERTICAL CAVITY SURFACE EMITTING LASER
Grp./Div. : 2881
Examiner : To be assigned
Docket No. : 39485/SAH/C715

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Assistant Commissioner for Patents
Washington, D.C. 20231

Post Office Box 7068
Pasadena, CA 91109-7068
June 15, 2001

Enclosed is an amendment to the above-identified application.

CLAIMS AS AMENDED						
	Claims Remaining After Amendment	Highest Number Paid For	Number Extra Claims	Small Entity Rate	Large Entity Rate	FEE
Total Claims Fee	43	* 20	23	23 x \$9.00	x \$18.00	207
Independent Claims	7	** 4	3	3 x \$40.00	x \$80.00	120
Multiple Dependent Claims ***				\$135.00	\$270.00	
TOTAL FILING FEE						\$327
NO ADDITIONAL FEE REQUIRED ****	IF NO FEE REQUIRED, INSERT "0"					
LIST INDEPENDENT CLAIMS: 1, 13, 17, 20, 21, 32 and 41						
* IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 20 OR LESS, WRITE "20" IN COLUMN 3 ** IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 3 OR LESS, WRITE "3" IN COLUMN 3 *** PAY THIS FEE ONLY WHEN MULTIPLE DEPENDENT CLAIMS ARE ADDED FOR THE FIRST TIME **** IF NO FEE REQUIRED, ADDRESS ENVELOPE TO "BOX NON-FEE AMENDMENTS"						

- ☒ Attached is our check for \$327 to pay the fees calculated above.
☐ A Petition for Extension of Time and the required fee are enclosed.
☐ Other enclosures:

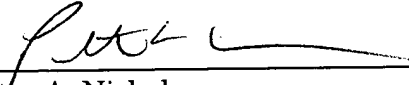
Amendment Transmittal Letter
Application No. 09/587,074

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by or to give effect to this paper to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. **A copy of this letter is enclosed.**

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By


Peter A. Nichols
Reg. No. 47,822
626/795-9900

PAN/cks

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Dade
Pre-Amendment-A
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Christine Sherwood
Signature

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PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

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Pasadena, CA 91109-7068
June 15, 2001

Commissioner:

Prior to the examination of the above-identified application, please amend the application as follows:

In the Specification:

Replace the paragraph beginning at page 9, line 12, with the following new paragraph:

Referring to the cross-sectional view of FIG. 4A, an exemplary embodiment of the present invention includes a hybrid upper mirror having semiconductor mirror layers 35 and dielectric mirror layers 34. FIG. 4B is a cross-section of an exemplary embodiment shown in FIG. 4A wherein the layers have been removed for clarity. In an exemplary embodiment of the present invention a semiconductor anti-phase layer 30 is integrated into the hybrid semiconductor-dielectric mirror on the uppermost layer of the semiconductor mirror 35. In an exemplary

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